

Title (en)

DEVICE FOR FEEDING A GASEOUS AND/OR LIQUID MEDIUM TO A ROTATING PRESSURISED SYSTEM

Title (de)

VORRICHTUNG ZUM ZUFÜHREN EINES GASFÖRMIGEN UND/ODER FLÜSSIGEN MEDIUMS ZU EINEM ROTIERENDEN DRUCKSYSTEM

Title (fr)

DISPOSITIF PERMETTANT D'ACHEMINER UN MILIEU LIQUIDE ET/OU GAZEUX A UN SYSTEME ROTATIF SOUS PRESSION

Publication

**EP 1567798 B1 20070221 (DE)**

Application

**EP 03788856 A 20031204**

Priority

- DE 0304011 W 20031204
- DE 10256537 A 20021204

Abstract (en)

[origin: WO2004051130A1] The invention relates to a device for feeding a gaseous or liquid medium to a rotating pressurised system. Said device consists of a stationary sealing-head housing (1) comprising a connection opening (2) for the heat transfer medium, said opening leading into a connection conduit (2.1) that runs in the interior of the sealing-head housing (1). The device also comprises a tubular rotor (3) that is likewise situated in the interior of the sealing-head housing (1), is connected to the pressurised system and is mounted on the stationary housing (1) by means of at least one bearing (4), preferably an anti-friction bearing. The end of the connection conduit (2.1) is also equipped with a stator seal (5) and the end of the rotor (3) is provided with a rotor seal (6), both seals (5, 6) lying coaxially with the rotor (3) and abutting one another with their front faces. A thermally displaceable expansion element (7), located in the vicinity of the stator and rotor seals (5, 6), is directly responsible for carrying out a temperature displacement of the stator and rotor seals (5, 6) that lie axially opposite one another.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (application)

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